

1 Amendments to the Specification Please replace the paragraph  
2 beginning on page 11 line 18 with the following paragraph.

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5 "The first set of data streams 10 and second set of data streams 26  
6 are processed through respective communication channels. However,  
7 each of the spreading codes of all of the channels is different for  
8 cochannel isolation. The clock generators 16 and 32 can be one  
9 clock generator for providing the same clock signals to the first  
10 and second sets of communications channels. Additionally, the first  
11 set of data streams 10 are data formatted and then modulated by NRZ  
12 formatted spreading codes from the first set NRZ code formatters  
13 20, and the second set of data streams 26 are data formatted and  
14 then modulated by Manchester formatted spreading codes from the  
15 Manchester formatters 36. The first set of modulators 24 and the  
16 second set of modulators 40 provide respective NRZ spectrum spread  
17 signals and Manchester spectrum spread signals to a transmitter  
18 combiner 42 for combining the NRZ formatted spectrum spread signals  
19 and Manchester spectrum spread signals into a composite spectrum  
20 signals having a dual spectrum. The NRZ formatted spectrum is a  
21 nonsplit spectrum and the Manchester formatted spectrum is a split  
22 spectrum. Hence, the composite spectrum is a composite of a  
23 nonsplit spectrum resulting for NRZ code formatting and a split  
24 spectrum resulting from Manchester code formatting. The modulators  
25 24 and 40 uniphase modulate the ~~spread spectrum signals~~ by a  
26 carrier signal having a carrier frequency. Uniphase modulation is  
27 defined as modulating one and only one phase on the carrier, which  
28 is either the inphase phase of the carrier or the quadrature phase

1 of the carrier, but not both. The composite spread spectrum  
2 communication signal is a uniphase composite spread spectrum  
3 communication signal that is amplified by a high power amplifier 44  
4 and transmitted as a dual spectrum communication signal using a  
5 transmitter antenna 46."

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